Sharing Sustainable Business Best Practices, Success Stories Among APEC Economies: Food and Agri Products and Services

Submitted by: Mitr Phol Group

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APEC BCG SYMPOSIUM 2022
Sharing Sustainable Business Best Practices, Success Stories Among APEC Economies

Pravit Prakitsri
Chief Operating Officer – New Business Group
OUR VISION

“To be the world-class sugar and bio-based leader by combining our fully integrated agribusiness model with innovative technology and management talent to create value for better life for all.”
Mitr Phol Business in Overview

Support all business units in Research Development and Innovation

- Energy Business: 25.7%
- Wood Substitute Business: 7.6%
- Fertilizer Business: 0.6%
- Logistics & Warehouse Business: 1.8%
- Other Business: 0.2%

Mitr Phol Sales Ratio by Business, Thailand, 2019

China: 5 Sugar Mills, 1 Refinery
Laos: 2 Power Plants, 1 Fertilizer Plant
Indonesia: 1 Sugar Mill, 3 Refineries
Australia: 4 Sugar Mills, 1 Power Plant

MITR PHOL GROUP - APEC BCG SYMPOSIUM 2022
Mitr Phol New S-Curve

Performance

1st Generation
- Sugar & Plantation

2nd Generation

Renewable Energy:
- Bio-Power & Steam
- Bio-Ethanol
- Fertilizer

3rd Generation

Bio-based Chemicals Products:
- Yeast and Yeast Derivatives
- Functional Food
- Low Calories Sweetener
- Prebiotics/Probiotics
- Organic Acids
- Bio-Plastics
- Bio-Polyethylene
- Bio-Jet

Biodegradable Products
Mitr Phol “From Waste to Value” Model

Sugar Products & High Value Sugar (FOS, etc)

Bio-Ethanol

Animal Feed and Feed Additive

Carbon Emission Reduction (T-VER)

Biomass Power*
*steam for internal usage

Organic Fertilizer & Soil Conditioner

MP Innovation & Research Center
Our Innovation & Research Center Supports All Business

Sugarcane Plantation

Bagasse

Molasses

Filter cake
Vinases

Kôbôten

Yeast

Animal Feed and Feed Additive

Sugar Products & High Value Sugar (FOS, etc)
- CROP PRODUCTION
- SUGAR TECHNOLOGY AND SPECIALTY
- BIO-BASED CHEMICAL AND ENERGY
- INNOVATION GLOBAL SOURCING

Mitr Phol Innovation and Research Center

Centers for knowledge excellence and innovation development to propel the growth of the Thai cane industry and create sustainable value
Mitr Phol Modern Farm

‘BONSUCRO’: The Sustainability Certification
Mitr Phol Sugar
From “SUGAR CANE” to primary product to “SUGAR AND HIGH VALUE ADDED SUGAR”
Mitr Phol Bio-Power

Value added “BAGASSE” to “BIOMASS POWER”. The clean energy: carbon emission reduction.
Be a leader in Thailand Carbon Emission Reduction by Thailand Voluntary Emission Reduction (T-VER; TGO)

Mitr Phol has Carbon Credit for Carbon Emission Reduction more than 800,000 tonCO₂e each year
Value added “MOLASSES” to “BIOFUEL” with Capacity 500ML/Year. The value creation for co-product by using R&D and Technology.
Mitr Phol Specialty Biotech
“YEAST from Ethanol Production Process” added value to “FEED ADDITIVE”
value added by using R&D and technology
Productivity Plus

Value added “VINASES & FILTER PASTE” to “ORGANIC FERTILIZER”. We are also one of manufacturers for scientific fertilizer with high technology.
Wood Substitute
Materials Business
...Saving the Forest & the Planet for All...
Our New Approach Toward Sustainability Growth & Green and Circular Economy
Develop

- Initiate plan
- Implement
- Register REC

2022: Carbon Neutral Organization (SBTi: Net Zero - Reduce GHG Emission 50%)

2030: Carbon Neutral Organization (SBTi: Net Zero - Reduce GHG Emission 75%)

2040: NET ZERO (SBTi: Net Zero - Reduce GHG Emission 100%)

2050

Remark: 2020 MP Carbon Emission Scope 1, 2, 3 = 860,000 ton CO₂e
Mitr Phol Group is aware of environmental and sustainability development by encouraging the production of biodegradable packaging made from tapioca starch components.
NEW ECOSYSTEM “Khon Kaen Innovation Center”
The place where you can get connecting to everyone

KAEN Project, the project of Khon Kaen Innovation Center, An ecosystem which serve the startups, SMEs, and investors to success in a business. It is combining between local & international community located in Srichan District, Khon Kaen Province.

FACILITIES: Food & Beverage, Hospitality, MICE + Entertainment, Workspaces, Fitness/Spa Education and retails
‘สร้างคุณค่า สร้างอนาคตที่ยั่งยืน’
‘CREATING VALUE FOR A SUSTAINABLE LIFE’